nerves and muscles for moving, with for breathing with blood that contains special (haematoglobin) substance for attraction oxygen from the air. Yet it reserves show that functions can be performed without apparatus and functional complicated activities may be developed by the simple texture the body. Animalcules (protozoa) that gether devoid of sense organs or nerves, distinguish liaht. of recognize their dearees particular absorb and digest it, move with great precision by the vibration of and nerveless appendages. Creatures of the jelly-fish (Coelenterata) fix oxygen from the air without either blood or breathing organs: worms, belonging to an order much higher scale, have neither gills nor lungs, but breathe through the skin. The processes of reproduction. the growth of embryos, the course in special which organs have been evolved, abound with sistencies and irregularities holes in any unifying theories, and serve t.o that is indifferent to rule. In plant-life the fertilization of flowers is general it. appears strengthen vitality; yet species are numerous whose flowers always fertilize themselves—are formed indeed, as to render crossfertilization impossible. Amongst animals, sexual reproduction is the rule; but female plant lice (aphides) produce fully-developed young without

the intervention of a male; the oak apple all-flv dispenses with males in producing everv second generation: the eags from which drone bees are hatched are developed by the withaueen out male assistance. The eye of the (mollusc) is similar in construction and action that of vertebrate animals : yet it is developed in a different manner and of different materials.